



Proactive by Design

GEOTECHNICAL  
ENVIRONMENTAL  
ECOLOGICAL  
WATER  
CONSTRUCTION  
MANAGEMENT



## MEMORANDUM

To: Joseph Martella, RIDEM

From: Dave Rusczyk, GZA

CC: Kenneth Lento, National Grid

Date: December 18, 2020

Re: Site Response Action Report  
Period November 30, 2020 through December 13, 2020  
Former Tidewater Facility  
Pawtucket, Rhode Island  
RIDEM Case No. 95-022 / Site Remediation File No. SR-26-0934

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### SITE ACTIVITIES PERFORMED

- Charter Contracting Company, LLC (Charter) mobilized to the Site on November 30, 2020 to begin implementation of the remedial construction work. Mobilization activities included:
  - Construction of an entrance into the work area from an existing gate on the east of Tidewater Street near the natural gas regulator station.
  - Staging of field office trailers and storage trailers near the construction entrance.
  - Construction of an access road from the entrance to the east side of the Pawtucket #1 Substation building.
  - Installation of erosion and sedimentation controls downgradient of portions of the Site.
  - Installation of temporary electrical services for the perimeter air monitoring stations and the field office trailers.
  - Installation of temporary fencing to separate the substation from the work areas.
- Charter initiated clearing of trees and vegetation through-out the Site to facilitate execution of the work.
- Charter removed portions of the existing chain link fencing within the interior of the Site to facilitate completion of the work. The exterior perimeter fencing will be maintained for security during the performance of the work.
- GZA continued to perform a turbidity monitoring program to determine background turbidity levels within the Seekonk River adjacent to the Site prior to implementation of the work within the river.
- GZA installed automated seismographs to monitor vibration levels during the performance of the work. During the work, GZA will also monitor certain Site structures for movement and settlement using automated total stations.



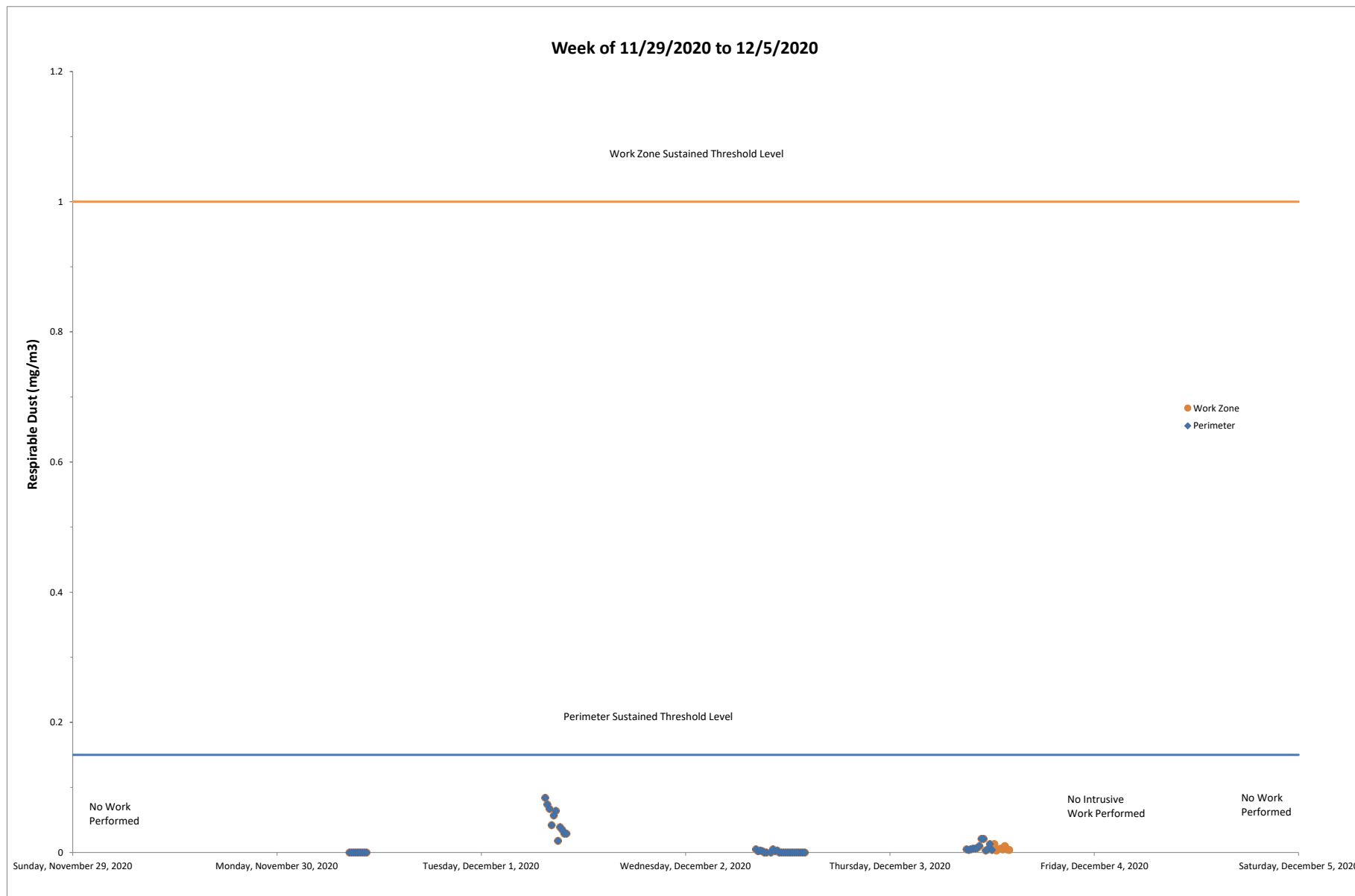
- GZA performed perimeter air monitoring for fugitive dust and total volatile organic compounds with portable handheld instruments. No exceedances of the perimeter action levels were noted during this 2-week period. The air monitoring results were posted to the project website and the bulletin boards at the ends of Tidewater Street and Bowles Court and are also attached to this report.
- GZA collected ambient air samples from upwind and downwind locations on December 3 and 10, 2020 for laboratory analysis for benzene, toluene, ethylbenzene, xylenes, and naphthalene. No exceedances of the project action levels were noted in the samples. The analytical results were posted to the project website and the bulletin boards at the ends of Tidewater Street and Bowles Court and are also attached to this report.
- On December 9, 2020, a hydraulic hose on an excavator operated by Charter's tree clearing subcontractor (Northern Tree Service Inc.) failed and approximately ½ to 1-gallon of hydraulic fluid was released to the ground surface. The excavator was immediately shutdown and the released hydraulic fluid was immediately contained with absorbent pads. The used absorbent pads were drummed and stored on site awaiting disposal. Northern verbally notified RIDEM of the release on December 9, 2020 via the spill hotline and RIDEM issued release #20-24462 for the spill. To mitigate additional similar incidents, Charter and their subcontractors will perform more thorough inspections of equipment before the start of work each day and periodically during the day. A brief written report documenting the release and subsequent response actions will be submitted to RIDEM within the week.
- During implementation of the remedy and active construction work, the current routine monitoring and inspection programs including the quarterly depth to water and NAPL gauging, the annual groundwater sampling, and the biweekly Site visits will be temporarily suspended.

Please contact Kenneth Lento at 781-907-3655 if you have any questions or comments.

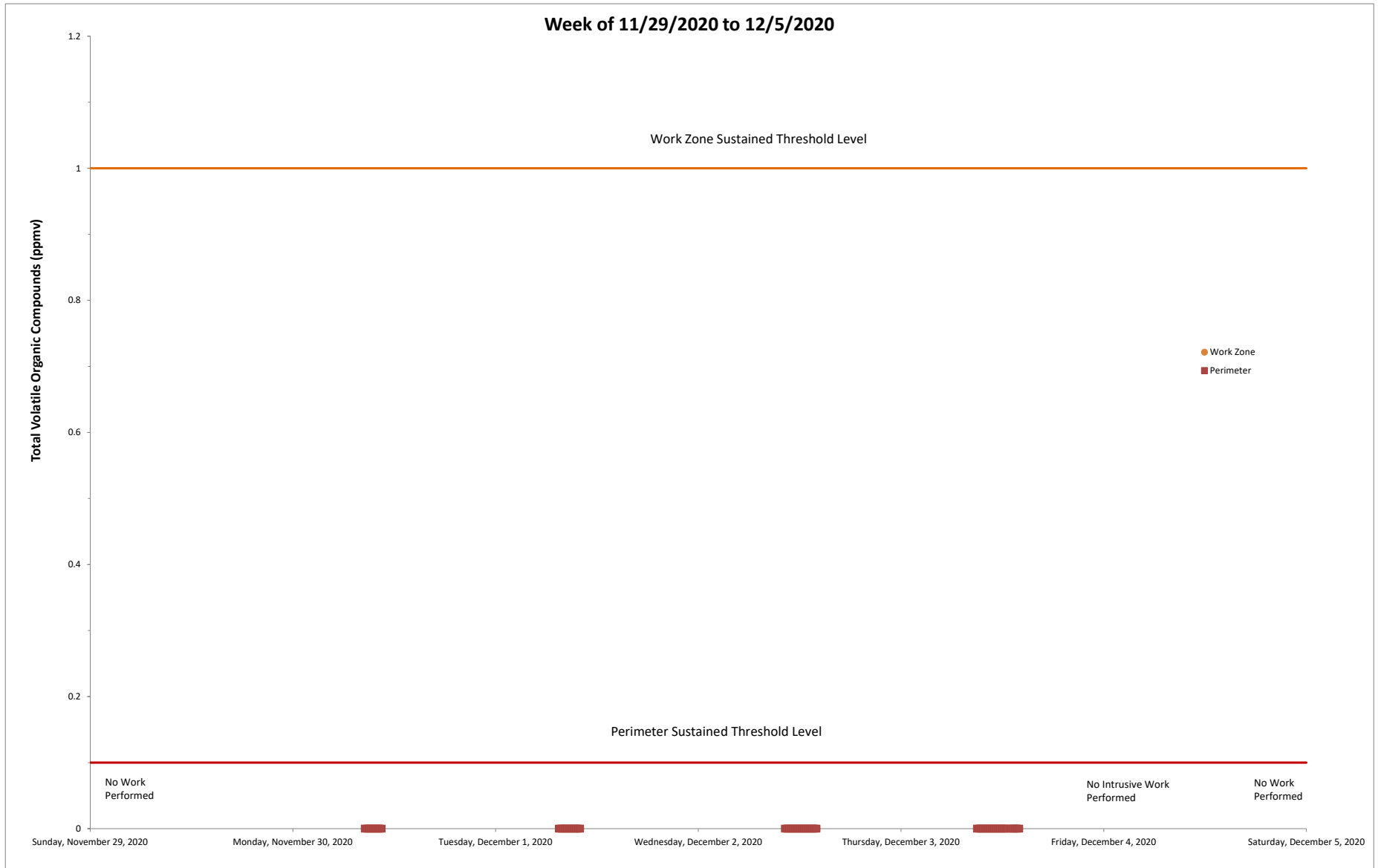
\\gzaprovidence\Jobs\ENV\43654.60\Correspondence\RIDEM Updates\Tidewater Bimonthly Update for November 30 to December 13.docx

# Prepared by National Grid for the Businesses and Residents Located Near the Former Tidewater Facility

## Air Quality Monitoring - Respirable Dust

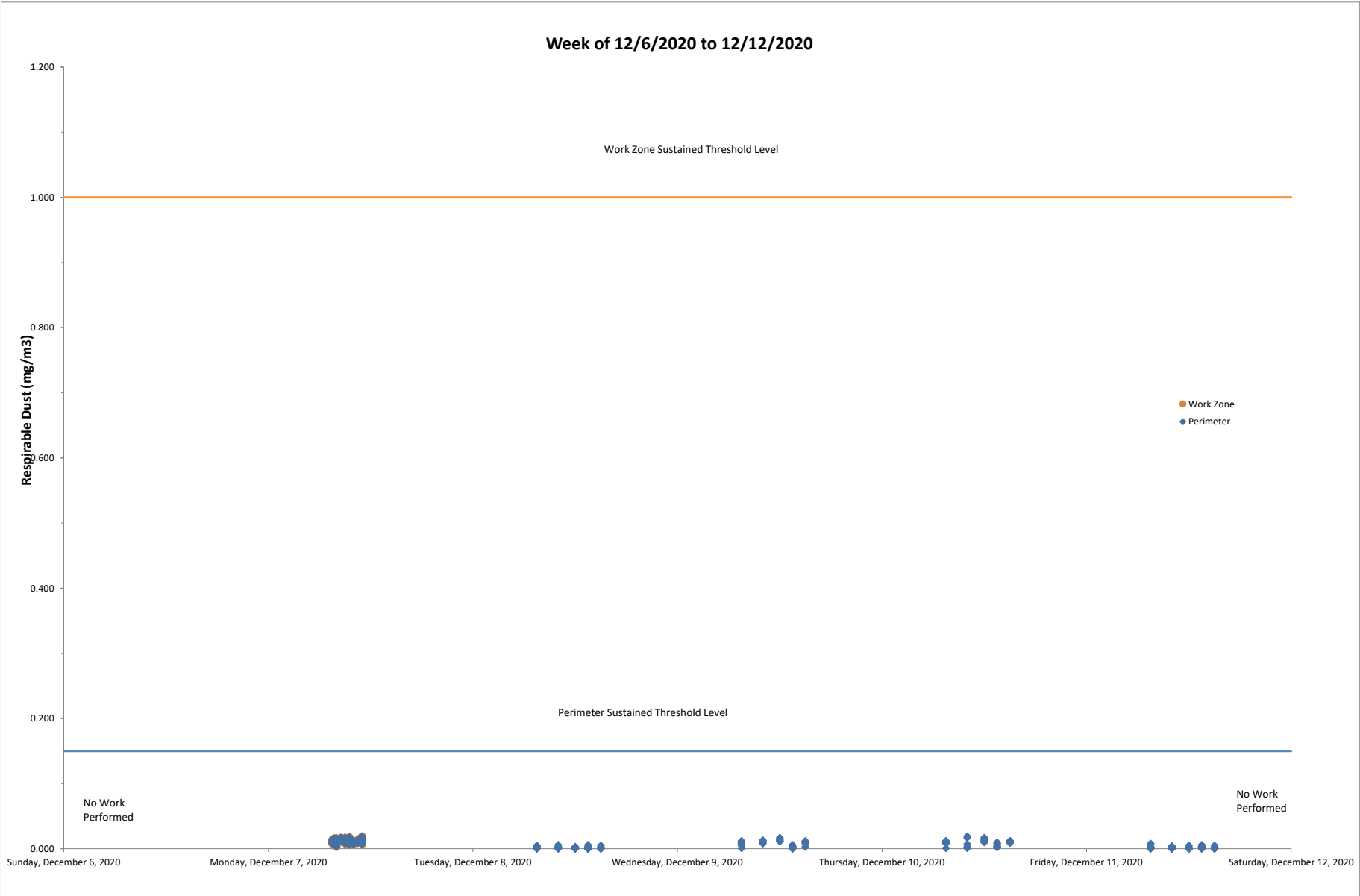


Prepared by National Grid for the Businesses and Residents Located Near the Former Tidewater Facility in Pawtucket, RI  
Air Quality Monitoring - Total Volatile Organic Compounds



# Prepared by National Grid for the Businesses and Residents Located Near the Former Tidewater Facility

## Air Quality Monitoring - Respirable Dust



# Prepared by National Grid for the Businesses and Residents Located Near the Former Tidewater Facility

## Air Quality Monitoring - Total Volatile Organic Compounds



**Weekly Ambient Air Sampling Results**  
**Former Tidewater Facility**  
**Pawtucket, RI**

Sample Date	Compounds				
	Benzene	Toluene	Ethylbenzene	Total Xylenes	Napthalene
	(ppb v/v)				
12-3-20 UP STREAM	0.13	0.22	0.079	0.054	< 0.5
12-3-20 DOWN STREAM	0.13	0.2	0.073	0.05	< 0.5
12-10-20 UP STREAM	0.25	0.23	< 0.2	0.14	< 0.5
12-10-20 DOWN STREAM	0.17	0.2	< 0.2	< 0.7	< 0.5
<b>Project Action Levels</b>	<b>6.2</b>	<b>80</b>	<b>230</b>	<b>23</b>	<b>20</b>

**Notes:**

1. The Project Action Levels are consistent with the Air Quality Monitoring Plan developed for the Site.
2. Air samples are collected in stainless steel summa canisters over an approximately 8-hour period.
3. Air samples are analyzed by EuroFins TestAmerica of Burlington, VT.
4. Results and action levels are listed in parts per billion volume/volume (ppb v/v).